

## BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP.

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

## ASSIGNMENT

Application No. 09/936,925Filed 09-19-2001

Insert Name(s)  
of Inventor(s)

WHEREAS, Morten Aae OLANDER  
Allan Otto Fog LIHME  
Timothy John HOBLEY  
Marcos SIMON  
Irini THEODOSSIOU  
Owen Robert Tyrynis THOMAS

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in  
Fluidised bed purification of bio-micromolecules such as  
plasmid, DNA, chromosomal DNA, RNA, viral DNA, bacteria and viruses

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date  
of Signing of  
Application

on September 7, 10, and 25, 2001; and

Insert Name  
of Assignee

WHEREAS, UpFront Chromatography A/S

Insert Address  
of Assignee

of Lersø Parkallé 42, DK-2100 Copenhagen Ø, Denmark

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and  
☐ in any foreign countries.

CHECK BOX  
IF APPROPRIATE

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

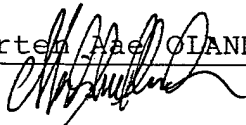
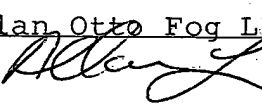
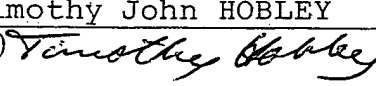


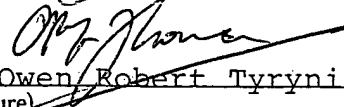
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>Sept. 07-2001</u>	Name of Inventor <u>Morten Aae OLANDER</u> (signature) 
Date <u>Sept. 07-2001</u>	Name of Inventor <u>Allan Otto Fog LILHE</u> (signature) 
Date <u>SEPT. 10. 2001</u>	Name of Inventor <u>Timothy John HOBLEY</u> (signature) 
Date <u>Sept. 25. 2001</u>	Name of Inventor <u>Marcos SIMON</u> (signature) 
Date <u>Sept. 10. 2001</u>	Name of Inventor <u>Irini THEODOSSIOU</u> (signature) 
Date <u>Sept. 10. 2001</u>	Name of Inventor <u>Owen Robert Tyrynis THOMAS</u> (signature) 

## RECORDATION FORM COVER SHEET

To the Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

OLANDER, Morten Aae

LIHME, Allan Otto Fog

HOBLEY, Timothy John

SIMON, Marcos

THEODOSSIOU, Irini

Additional name(s) of conveying party(ies) attached?

☒ YES ☒ NO

2. Name and address of receiving party(ies)

Name: UpFront Chromatography A/S

Internal Address:

Street Address: Lerso Parkalle 42

City: Copenhagen 0 State: ZIP:

Country: Denmark

Postal Code: DK-2100

Additional name(s) & address(es) attached? ☐ YES ☒ NO

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other:

Execution Date: September 7, 10 and 25 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

09/936,925

B. Patent No.(s).

Additional numbers attached? ☐ YES ☒ NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Street Address: P.O. BOX 747

City: FALLS CHURCH State: VA ZIP: 22040-0747

Country: USA

6. Total No. of applications/patents involved: one (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed

☒ Authorized to be charged to deposit account, if no fee attached.

8. Deposit account number: 02-2448

(Attach triplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Leonard R. Svensson, #30,330

Name of Person Signing/Reg. No.

*Leonard R. Svensson* #46,183

Signature

November 19, 2001  
Date

Total number of pages including cover sheet, attachments, and document: four (4)

LRS/KR/clh

(Rev. 09/26)

Attachment to  
RECORDATION FORM COVER SHEET

Continuation of Box 1--Name of conveying party(ies):

**THOMAS, Owen Robert Tyrynis**

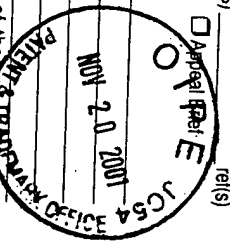
Continuation of Box 2--Name and address of receiving party(ies):

Continuation of Box 4--Application number(s) or patent number(s):

Papers Filed herewith on: 11-20-01  
DOCKET NO.: 459-653P ATT: LLS  
APPLICANT(S): Olander, M. et al  
APPL. NO. 07936,925 FILED: 4-15-01  
PAT. NO.:

DOCKET NO. 459-653P

- ☐ New Application with Transmittal Letter
- ☐ Utility ☐ Design ☐ CIP ☐ PCT ☐ Provisional
- ☐ Filing Under 37 CFR 1.53(b) ☐ CONT ☐ DIV
- ☐ Filing Under 37 CFR 1.53(d) (CPA)
- ☐ Filing Under 37 CFR 1.114(RCE)
- ☐ Specification Consisting of: \_\_\_\_\_ pages
- ☐ Combined Declaration & Power of Attorney
- ☐ Assignment / Cover Letter
- ☐ Letter to Official Draftsman
- ☐ Drawings \_\_\_\_\_ Sheets ☐ Formal ☐ Informal ☐ Red-Ink
- ☒ Completion of Filing Requirements, PCT/DO/EO/905 or Formalities Letter and Executed Declaration
- ☐ Priority Document(s) / Cover Letter, No. Doc. \_\_\_\_\_
- ☐ Amendment: \_\_\_\_\_
- ☐ Transmittal Ltr ☐ Large Entity ☐ Small Entity
- ☐ Response \_\_\_\_\_
- ☐ Information Disc Stmt, PTO-1449(s) \_\_\_\_\_ ref(s)
- ☐ Notice of Appeal ☐ Appeal Fee
- ☐ Issue Fee Transmittal
- ☐ FEEs: \_\_\_\_\_
- ☐ Letter: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_



Receipt is hereby acknowledged of the papers filed as indicated in connection with the above identified case.  
COMMISSIONER OF PATENTS AND TRADEMARKS  
Due Date: 11/18  
Handcarry: \_\_\_\_\_

11/18

**BIRCH, STEWART, KOLASCH AND BIRCH, LLP**  
 COSTA MESA CPO ACCOUNT  
 650 TOWN CENTER DRIVE, SUITE 1120  
 COSTA MESA, CA 92626

**Crestar Bank**  
 Alexandria, Virginia

7001568

68-107  
 560

PAY Forty 00/100 -----

DOLLARS

TO THE  
 ORDER  
 OF

COMMISSIONER OF PATENTS AND TRADEMARKS

I.D. NO.

DATE

AMOUNT

11-19-01 \$40.00

FOR Assignment Fee 459-653P 530655 09/936,925

LRS

*For M. Jellma*

⑈07001568⑈ ⑆056001079⑆ 202564983⑈

Papers Filed herewith on: 11-19-01  
 DOCKET NO.: 459-653P ATTY: LS  
 APPLICANT(S): Anderson, Morden et al  
 APPL. NO.: 07/936,925 FILED: 9-19-01  
 PAT NO.:

- ☐ New Application with Transmittal Letter  
☐ Utility ☐ Design ☐ CIP ☐ PCT ☐ Provisional  
☐ Filing Under 37 CFR 1.53(b) ☐ CONT ☐ DIV  
☐ Filing Under 37 CFR 1.53(d) (CPA)  
☐ Filing Under 37 CFR 1.14(RCE)  
☐ Specification Consisting of: \_\_\_\_\_ pages  
☐ Combined Declaration & Power of Attorney  
☒ Assignment / Cover Letter  
☐ Letter to Official Draftsman  
☐ Drawings \_\_\_\_\_ Sheets ☐ Formal ☐ Informal ☐ Red-ink  
☐ Completion of Filing Requirements, PCT/DO/EO/905  
☐ or Formalities Letter and Executed Declaration  
☐ Priority Document(s) / Cover Letter, No. Doc. \_\_\_\_\_  
☐ Amendment: \_\_\_\_\_  
☐ Transmittal Ltr ☐ Large Entity ☐ Small Entity  
☐ Response \_\_\_\_\_  
☐ Information Disc Stmt. PTO-1449(s) \_\_\_\_\_ ref(s)  
☐ Notice of Appeal ☐ Appeal Brief  
☐ Issue Fee Transmittal  
 FEES: \$40.00 CA# 7001568  
☐ Letter: \_\_\_\_\_  
☐ Other: \_\_\_\_\_

Receipt is hereby acknowledged of the papers filed as indicated in connection with the above identified case. COMMISSIONER OF PATENTS AND TRADEMARKS  
 Due Date: N/A  
 Handcarry: \_\_\_\_\_

DOCKET NO. 459-653P